

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10776688
	Filing Date		2004-02-10
	First Named Inventor	Gregory B. Altshuler	
	Art Unit	3739	
	Examiner Name	H. M. Johnson	
	Attorney Docket Number	105090-0232	

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	1	0853033		1907-05-07	Roberts	
	2	1706161		1929-03-19	Hollnagen	
	3	2472385		1949-06-07	Rollman	
	4	3327712		1967-06-27	Kaufmann	
	5	3486070		1969-12-23	Engel	
	6	3527932		1970-09-08	Thomas	
	7	3538919		1970-11-10	Meyer	
	8	3597652		1971-08-03	Gates, Jr.	

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9	3622743		1971-11-23	Muncheryan	
10	3693623		1972-09-26	Harte et al.	
11	3818914		1974-06-25	Bender	
12	3834391		1974-09-10	Block	
13	3846811		1974-11-05	Nakamura et al.	
14	3857015		1974-12-24	Clark et al.	
15	3890537		1975-06-17	Park et al.	
16	3900034		1975-08-19	Katz et al.	
17	3909649		1975-09-30	Arsena	
18	3977083		1976-08-31	Leslie et al.	
19	4213462		1980-07-22	Sato	

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20	4233493	1980-11-11	Nath et al.	
21	4269067	1981-05-26	Tynan et al.	
22	4273109	1981-06-16	Enderby	
23	4275335	1981-06-23	Ishida et al.	
24	4298005	1981-11-03	Mutzhaz	
25	4316467	1982-02-23	Muckerheide	
26	4335726	1982-06-22	Koistedt	
27	4388924	1983-06-21	Weissman et al.	
28	4456872	1984-06-26	Froeschle	
29	4461294	1984-07-24	Baron	
30	4512197	1985-04-23	von Gutfield et al.	

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31	4524289		1985-06-18	Hammond et al.	
32	4539987		1985-09-10	Nath et al.	
33	4553546		1985-11-19	Javelle	
34	4561440		1985-12-31	Kubo et al.	
35	4591762		1986-05-27	Nakamura	
36	4601753		1986-07-22	Soileau et al.	
37	4608978		1986-09-02	Rohr	
38	4608979		1986-09-02	Breidenthal et al.	
39	4617926		1986-10-21	Sutton	
40	4623929		1986-11-18	Johnson et al.	
41	4653495		1987-03-31	Nanaumi	

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42	4677347		1987-06-30	Nakamura et al.	
43	4686986		1987-08-18	Fenyo et al	
44	4685697		1987-09-22	Kosa	
45	4710677		1987-12-01	Halberstadt et al.	
46	4718416		1988-01-12	Nanaumi	
47	4733660		1988-03-29	Itzkan	
48	4745909		1988-05-24	Pellon et al.	
49	4747660		1988-05-31	Nishioka et al.	
50	4749913		1988-06-07	Stuermer et al.	

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	1	400305	AT		1995-04-15	Divida GES.M.B.H.		<input checked="" type="checkbox"/>	
	2	1851583	AU	A	1984-03-01	The University of Adelaide		<input type="checkbox"/>	
	3	1182572	CN	A	1998-05-27	Kao Corp		<input checked="" type="checkbox"/>	
	4	1351483	CN	A	2002-05-29	Koninkl Philips Electronics Nv		<input checked="" type="checkbox"/>	
	5	1535126	CN	A	2004-10-06	Palomar Medical Tech Inc		<input checked="" type="checkbox"/>	
	6	2053926	CN		1990-03-07	Li Jiesheng		<input checked="" type="checkbox"/>	
	7	3304230	DE	A1	1984-08-16	Ams Automat Mess & Steuertech		<input checked="" type="checkbox"/>	
	8	3719561	DE	A1	1988-01-21	Monira Mfg		<input checked="" type="checkbox"/>	

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9	3837248	DE	A1	1990-05-03	Teichmann Heinrich Otto Dr Phy et al.		<input type="checkbox"/>
10	10112289	DE	A1	2002-09-26	Optomed Optomedical Systems Gm		<input type="checkbox"/>
11	10120787	DE		2003-01-09	FOERDERUNG VON MEDIZIN		<input checked="" type="checkbox"/>
12	10140715	DE	A1	2002-03-14	B & P Ag Roschacherberg		<input checked="" type="checkbox"/>
13	19944401	DE	A1	2001-03-22	Laser & Med Tech GmbH		<input checked="" type="checkbox"/>
14	1038505	EP	A2	2000-09-27	PlasmaPhotonics GmbH		<input type="checkbox"/>
15	1057454	EP		2003-11-12	Nidek Co., Ltd.		<input type="checkbox"/>
16	1075854	EP		2001-02-14	Theralase, Inc.		<input type="checkbox"/>
17	1138349	EP	A2	2001-10-04	Photo Therapeutics Limited		<input type="checkbox"/>
18	1147785	EP	A2	2001-10-24	Photo Therapeutics Limited		<input type="checkbox"/>
19	1219258	EP	A1	2002-07-03	General Hospital Corporation		<input type="checkbox"/>

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20	1226787	EP	A2	2002-07-31	Laserwave S R L		<input type="checkbox"/>
21	1250893	EP	A2	2002-10-23	Asclepion Meditec Ltd		<input type="checkbox"/>
22	1457234	EP		2004-09-15	Photo Therapeutics Limited		<input type="checkbox"/>
23	1495735	EP	A1	2005-01-12	Gen Hospital Corp		<input type="checkbox"/>
24	1512373	EP	A1	2005-03-09	Johnson & Johnson Consumer		<input type="checkbox"/>
25	1535582	EP	A1	2005-06-01	Expansione Marketing S P A		<input type="checkbox"/>
26	1627662	EP	A1	2006-02-22	Inolase 2002 Ltd		<input type="checkbox"/>
27	0142671	EP	A1	1985-05-29	Carol Block, Ltd.		<input type="checkbox"/>
28	0172490	EP	A1	1986-02-26	Medical Laser Research And Dev		<input type="checkbox"/>
29	0320080	EP	A1	1989-06-14	Diamantopoulos Costas et al.		<input type="checkbox"/>
30	0565331	EP	A2	1993-10-13	ESC Inc.		<input type="checkbox"/>

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31	0598984	EP		1994-06-01	Ceramoptec GmbH		<input type="checkbox"/>
32	0709941	EP		1996-05-01	Laser Industries Ltd.		<input type="checkbox"/>
33	0724894	EP	A2	1996-08-07	ESC Medical Systems Ltd.		<input type="checkbox"/>
34	0726083	EP	A2	1996-08-14	ESC Medical Systems Ltd.		<input type="checkbox"/>
35	0736308	EP	A2	1996-10-09	ESC Medical Systems Ltd.		<input type="checkbox"/>
36	0755698	EP	A2	1997-01-29	ESC Medical Systems Ltd.		<input type="checkbox"/>
37	0763371	EP	A2	1997-03-19	ESC Medical Systems Ltd.		<input type="checkbox"/>
38	0765673	EP	A2	1997-04-02	ESC Medical Systems Ltd.		<input type="checkbox"/>
39	0765674	EP	A2	1997-04-02	ESC Medical Systems Ltd.		<input type="checkbox"/>
40	0783904	EP	A2	1997-07-16	ESC Medical Systems Ltd.		<input type="checkbox"/>
41	0884066	EP	A2	1998-12-16	SLI Lichtsysteme GmbH		<input type="checkbox"/>

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42	0885629	EP	A2	1998-12-23	Danish Dermatologic Dev	<input type="checkbox"/>
43	0920840	EP	A2	1999-06-09	Mollen Corp et al.	<input type="checkbox"/>
44	1839705	EP	A1	2007-10-03	Univ Alcala Henares	<input type="checkbox"/>
45	1854505	EP	A2	2007-11-14	Charif Mark	<input type="checkbox"/>
46	2199453	FR	A1	1974-04-12	Francis Paul Busser	<input type="checkbox"/>
47	2591902	FR	A1	1987-06-26	Collin Yvon	<input checked="" type="checkbox"/>
48	2044908	GB	A	1980-10-22	Wolf	<input type="checkbox"/>
49	2059053	GB	A	1981-04-15	Air Shields	<input type="checkbox"/>
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1	"BIOPTON Light Therapy System," website print-out, accessed July 13, 2006 (2 pages).	<input type="checkbox"/>
2	Allea Therapeutics - Medicines Made Better (single page website print-out)	<input type="checkbox"/>
3	Altshuler, G.B. et al., "Acoustic response of hard dental tissues to pulsed laser action," SPIE, vol. 2080, Dental Application of Lasers, pp. 97-103, 1993.	<input type="checkbox"/>
4	Altshuler, G.B. et al., "Extended theory of selective photothermolysis," Lasers in Surgery and Medicine, vol. 29, pp. 416-432, 2001.	<input type="checkbox"/>
5	Amy, R.L. et al., "Selective mitochondrial damage by a ruby laser microbeam: An electron microscopic study," Science, vol. 15, pp. 756-758, Nov. 1965.	<input type="checkbox"/>
6	Anderson, R.R. et al., "Selective photothermolysis: Precise microsurgery by selective absorption of pulsed radiation," Science, vol. 220, pp. 524-527, Apr. 1983.	<input type="checkbox"/>
7	Anderson, R.R. et al., "The optics of human skin," Journal of Investigative Dermatology, vol. 77, No. 1, pp. 13-19, 1981.	<input type="checkbox"/>
8	APFELBERG et al. "Analysis of Complications of Argon Laser Treatment for Port Wine Hemangiomas with Reference to Striped Technique," Lasers in Surgery and Medicine, 2:357-371 (1983).	<input type="checkbox"/>
9	APFELBERG et al. "Dot or Pointillistic Method for Improvement in Results of Hypertrophic Scarring in the Argon Laser Treatment of Portwine Hemangiomas," Lasers in Surgery and Medicine, 6:552-558 (1987).	<input type="checkbox"/>
10	Belikov, A.V. et al., "Identification of enamel and dentine under tooth laser treatment," SPIE vol. 2623, Progress in Biomedical Optics Europt Series, Proceedings of Medical Applications of Lasers III, pp. 109-116, Sep 1995	<input type="checkbox"/>
11	Bjerring, P. et al., "Selective Non-Ablative Wrinkle Reduction by Laser," J Cutan Laser Ther, Vol. 2, pp. 9-15, 2000	<input type="checkbox"/>

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12	Chan, E K , "Effects of Compression on Soft Tissue Optical Properties," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 2, No. 4, pp. 943-950 (Dec. 1996).	<input type="checkbox"/>
13	Derma Chiller advertisement (2 pages) from Paradigm Trex	<input type="checkbox"/>
14	DIXON et al. "Hypertrophic Scarring in Argon Laser Treatment of Port-Wine Stains," Plastic and Reconstructive Surgery, 73:771-777 (1984).	<input type="checkbox"/>
15	Doukas et al., "Transdermal Drug Delivery With a Pressure Wave," Advanced Drug Delivery Reviews 56 (2004), pp 559-579	<input type="checkbox"/>
16	Dover, J.S. et al., "Pigmented guinea pig skin irradiated with Q-switched ruby laser pulses," Arch Dermatol, vol. 125, pp. 43-49, Jan. 1989.	<input type="checkbox"/>
17	Finkelstein, L.H. et al., "Epilation of hair-bearing urethral grafts using the neodymium:yag surgical laser," Journal of Urology, vol. 146, pp. 840-842, Sep. 1991.	<input type="checkbox"/>
18	Fiskerstrand, E.J. et al., "Hair Removal with Long Pulsed Diode Lasers: A Comparison Between Two Systems with Different Pulse Structures," Lasers in Surgery and Medicine, Vol. 32, pp. 399-404, 2003.	<input type="checkbox"/>
19	GINSBACH et al. "New Aspects in the Management of Benign Cutaneous Tumors," Laser 79 Opto-Electronics, Munich Conference Proceedings, 344-347 (1979).	<input type="checkbox"/>
20	Goldman, L. et al. "Treatment of basal cell epithelioma by laser radiation," JAMA, vol. 189, No. 10, pp. 773-775.	<input type="checkbox"/>
21	Goldman, L. et al., "Effect of the laser beam on the skin, III. Exposure of cytological preparations," Journal of Investigative Dermatology, vol. 42, pp. 247-251, 1964.	<input type="checkbox"/>
22	Goldman, L. et al., "Effect of the laser beam on the skin, Preliminary report" Journal of Investigative Dermatology, vol. 40, pp 121-122, 1963.	<input type="checkbox"/>

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23	Goldman, L. et al., "Impact of the laser on nevi and melanomas," Archives of Dermatology, vol. 90, pp. 71-75, Jul. 1964.	<input type="checkbox"/>
24	Goldman, L. et al., "Laser action at the cellular level," JAMA, vol. 198, No. 6, pp. 641-644, Nov. 1966.	<input type="checkbox"/>
25	Goldman, L. et al., "Laser treatment of tattoos, A preliminary survey of three year's clinical experience," JAMA, vol. 201, No. 11, pp. 841-844, Sep. 1967.	<input type="checkbox"/>
26	Goldman, L. et al., "Long-term laser exposure of a senile freckle," ArchEnviron Health, vol. 22, pp. 401-403, Mar. 1971.	<input type="checkbox"/>
27	Goldman, L. et al., "Pathology, Pathology of the effect of the laser beam on the skin," Nature, vol. 197, No. 4870, pp. 912-914, Mar. 1963.	<input type="checkbox"/>
28	Goldman, L. et al., "Preliminary investigation of fat embolization from pulsed ruby laser impacts of bone," Nature, vol. 221, pp. 361-363, Jan. 1969.	<input type="checkbox"/>
29	Goldman, L. et al., "Radiation from a Q-switched ruby laser, Effect of repeated impacts of power output of 10 megawatts on a tattoo of man," Journal of Investigative Dermatology, vol. 44, pp. 69-71, 1965.	<input type="checkbox"/>
30	Goldman, L. et al., "Replica microscopy and scanning electron microscopy of laser impacts on the skin," Journal of Investigative Dermatology, vol. 52, No. 1, pp. 18-24, 1969.	<input type="checkbox"/>
31	Goldman, L. et al., "The biomedical aspects of lasers," JAMA, vol. 188, No. 3, pp. 302-306, Apr. 1964.	<input type="checkbox"/>
32	Goldman, L. et al., "The effect of repeated exposures to laser beams," Acta derm.-venereol., vol. 44, pp. 264-268, 1964.	<input type="checkbox"/>
33	Goldman, L., "Dermatologic manifestations of laser radiation," Proceedings of the First Annual Conference on Biologic Effects of Laser Radiation, Federation of American Societies for Experimental Biology, Supp. No. 14, pp. S-92-S-93, Jan.-Feb. 1965.	<input type="checkbox"/>

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34	Goldman, L., "Effects of new laser systems on the skin," Arch Dermatol., vol. 108, pp. 385-390, Sep. 1973.	<input type="checkbox"/>
35	Goldman, L., "Laser surgery for skin cancer," New York State Journal of Medicine, pp. 1897-1900, Oct. 1977.	<input type="checkbox"/>
36	Goldman, L., "Surgery by laser for malignant melanoma," J. Dermatol. Surg. Oncol., vol., 5, No. 2, pp. 141-144, Feb. 1979.	<input type="checkbox"/>
37	Goldman, L., "The skin," Arch Environ Health, vol. 18, pp. 434-436, Mar. 1969.	<input type="checkbox"/>
38	Goldman, L., Biomedical Aspects of the Laser, Springer-Verlag New York Inc., publishers, Chapt. 1, 2 & 23, 1967.	<input type="checkbox"/>
39	GOTTLIEB, I., "Power Supplies, Switching Regulators, Inverters & Converters," 1976.	<input type="checkbox"/>
40	GREENWALD et al. "Comparative Histological Studies of the Tunable Dye (at 577 nm) Laser and Argon Laser: The Specific Vascular Effects of the Dye Laser," The Journal of Investigative Dermatology, 77:305-310 (1981).	<input type="checkbox"/>
41	Grossman, M.C. et al., "Damage to hair follicles by normal-mode ruby laser pulses," Journal of the American Academy of Dermatology, vol. 35, No. 6, pp. 889-894, Dec. 1996.	<input type="checkbox"/>
42	Grossman, M.C. et al., "Laser Targeted at Hair Follicles," Lasers Med Surg., Suppl. 7:221 (1995)	<input type="checkbox"/>
43	HULSBERGEN HENNING et al. "Clinical and Histological Evaluation of Portwine Stain Treatment with a Microsecond-Pulsed Dye-Laser at 577 NM," Lasers in Surgery and Medicine, 4:375-380 (1984).	<input type="checkbox"/>
44	HULSBERGEN HENNING et al., "Port Wine Stain Coagulation Experiments with a 540-nm Continuous Wave Dye-Laser," Lasers in Surgery and Medicine, 2:205-210 (1983).	<input type="checkbox"/>

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45	Invention description to certificate of authorship, No. 719439, "The ring resonator of optical quantum generator".	<input type="checkbox"/>
46	Invention description to certificate of authorship, No. 741747, "The modulator of optical radiation intensity".	<input type="checkbox"/>
47	Invention description to certificate of authorship, No. SU 1257475 A1, "Laser interferometric device to determine non-linearity of an index of refraction of optical medium".	<input type="checkbox"/>
48	Invention description to certificate of authorship, No. SU 1326962 A1, "The way of determination of non-linearity of an index of refraction of optical medium".	<input type="checkbox"/>
49	Invention description to certificate of authorship, No. 532304, "The way of investigation of radiation time structure of optical quantum generator".	<input type="checkbox"/>
50	Ivanov, A.P. et al., "Radiation Propagation in Tissues and Liquids with Close Particle Packing," Zhurnal Prikladnoi Spektroskopii, Vol. 47, No. 4, pp. 662-668 (Oct. 1987).	<input type="checkbox"/>

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